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DIALOG(R) File 351:Derwent WPI

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Olefin polymerisation catalyst component prepn. - by contacting titanium halide with mixt. of magnesium cpd., reaction prod. of electron donor and titanium halide and silicon cpd.

Patent Assignee: TOHO TITANIUM CO LTD (TOXI)

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 61296006	A	19861226	JP 85135994	A	19850624	198706 B
JP 94070096	B2	19940907	JP 85135994	A	19850624	199434

Priority Applications (No Type Date): JP 85135994 A 19850624

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 61296006	A		4		
JP 94070096	B2		4	C08F-010/00	Based on patent JP 61296006

Abstract (Basic): JP 61296006 A

Prepn. comprises contacting (A) solid compsn. obtd. by pulverising at low temp. (a) Mg cpd., (b) reaction prod. of electron donor with TiX_4 (X is halogen) and (c) organic Si cpd. having Si-O bond, with Ti halide.

Cpd. (a) is Mg chloride, Mg fluoride, Mg bromide, Mg iodide. Electron donor is pref. aromatic carboxylic acid ester partic. aromatic dicarboxylic acid diester. Pref. TiX_4 is $TiCl_4$. Cpd. (c) is e.g. phenyltriethoxy silane, phenyltrimethoxy silane, phenyltripropoxy silane, phenyltriisopropoxy silane, diphenyldimethoxy silane, tetramethoxy silane, trimethoxyethyl silane, ethyltripropoxy silane. Amt. of prod. (b) to cpd. (a) 1g is 0.01-2g. Amt. of cpd. (c) to cpd. (a) 1g is 0.01-1g. Polymerisation temp. is below 200(100) deg.C and polymerisation pressure is below 100(50) kg/cm².G.

ADVANTAGE - Process gives catalyst component which has enhanced catalytic activity and gives tactic polymer in high yield.

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Derwent Class: A17

International Patent Class (Main): C08F-010/00

International Patent Class (Additional): C08F-004/658

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